

## A B S T R A C T

The method of indexing multimedia documents comprises the following steps: a) for each document identifying and extracting terms  $t_i$  constituted by vectors characterizing properties of the; b) storing terms  $t_i$  in a term base comprising  $P$  terms; c) determining a maximum number  $N$  of desired concepts that group together the most pertinent terms  $t_i$ ; d) calculating the matrix  $T$  of distances between the terms  $t_i$  of the term base; e) decomposing the set  $P$  of terms  $t_i$  of the term base into  $N$  portions  $P_j$  ( $1 \leq j \leq N$ ) such that  $P = P_1 \cup P_2 \dots \cup P_j \dots \cup P_N$ , each portion  $P_j$  comprising a set of terms  $t_{ij}$  and being represented by a concept  $c_j$ , the terms  $t_i$  being distributed in such a manner that the terms that are farther apart are to be found in distinct portions  $P_1$ ,  $P_m$ , and the terms that are closer together are to be found in the same portion  $P_1$ ; f) structuring the concept dictionary; and g) constructing a fingerprint base made up of the set of concepts  $c_i$  representing the terms  $t_i$  of the documents, each document being associated with a fingerprint that is specific thereto.